10/537858

PATENT COOPERATION TREATY



PEPCTE JUN 2005

ECO. 10 JAN 2005

INTERNATIONAL PRELIMINARY EXAMINATION PREPORT

(PCT Article 36 and Rule 70)

Applicant's or agent's file reference 100926-1 WO FOR FURTHER			FOR FURTHER A	CTION		n of Transmittal of International amination Report (Form PCT/IPEA/416)	
International application No. PCT/SE 03/01910				International filing date 08.12.2003	(day/mon	h/year)	Priority date (day/month/year) 09.12.2002
1	International Patent Classification (IPC) or both national classification and IPC A61K9/20						
1	licant TRAZ	ENE	CA AB				
1.	 This international preliminary examination report has been prepared by this International Preliminary Examining Authority and is transmitted to the applicant according to Article 36. 						
2.	2. This REPORT consists of a total of 6 sheets, including this cover sheet.						
	This report is also accompanied by ANNEXES, i.e. sheets of the description, claims and/or drawings which have been amended and are the basis for this report and/or sheets containing rectifications made before this Authority (see Rule 70.16 and Section 607 of the Administrative Instructions under the PCT).						
	These annexes consist of a total of sheets.						
3.	This report contains indications relating to the following items:						
ŀ	1	\boxtimes	Basis of the opinion				
	Ħ		Priority				
	Ш	\boxtimes	Non-establishment of	opinion with regard to n	ovelty, ir	nventive step a	nd industrial applicability
	IV	\boxtimes	Lack of unity of inventi	•	•	•	,
	V Reasoned statement under Rule 66.2(a)(ii) with regard to novelty, inventive step or industrial applicability; citations and explanations supporting such statement				ventive step or industrial applicability;		
	VI		Certain documents cite	ed ·			
	VII		Certain defects in the i	international applicatior	n '		
j	VIII		Certain observations o	n the international app	lication		
Date of submission of the demand					Date of	completion of th	is report
11.06.2004					07.01.	2005	
Name and mailing address of the international				al	Authori	zed Officer	nas Petens.
preliminary examining authority: European Patent Office D-80298 Munich Tel. +49 89 2399 - 0 Tx: 523656 epmu d Fax: +49 89 2399 - 4465				s-Llorens, E one No. +49 89 2	2399-8652		



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 Basis of the report 	L	Basis	of the	report
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 With regard to the elements of the international application (Replacement sheets which have been furnished to the receiving Office in response to an invitation under Article 14 are referred to in this report as "originally filed" and are not annexed to this report since they do not contain amendments (Rules 70.16 and 70.17)):

	Description, Pages								
	1-13	3	as originally filed						
Claims, Numbers					•				
	1-29	•	as originally filed						
			.						
2.	With regard to the language , all the elements marked above were available or furnished to this Authority in language in which the international application was filed, unless otherwise indicated under this item.								
	The	ese elements were av	ailable or furnished to this Autho	rity in the following language:	, which is:				
☐ the language of a translation			anslation furnished for the purpo	ses of the international search (under Rule 23.1(b)).				
		the language of publ	the language of publication of the international application (under Rule 48.3(b)).						
		the language of a tra Rule 55.2 and/or 55.	anslation furnished for the purpo 3).	ses of international preliminary e	examination (under				
3.	With regard to any nucleotide and/or amino acid sequence disclosed in the international application, the international preliminary examination was carried out on the basis of the sequence listing:								
\square contained in the international application in written form.				orm.					
filed together with the international application in computer rfurnished subsequently to this Authority in written form.				nputer readable form.					
				m.					
		furnished subsequer	ntly to this Authority in computer	this Authority in computer readable form.					
☐ The statement that the subsequently furnished vin the international application as filed has been				en sequence listing does not go l ished.	beyond the disclosure.				
		The statement that t listing has been furn	he information recorded in compished.	outer readable form is identical to	o the written sequence				
4.	The	amendments have r	esulted in the cancellation of:	; .	••				
		the description,	pages:						
		the claims,	Nos.:						
		the drawings,	sheets:	the part of					
5. This report has been established as if (some of) the amendments had not been made, since they have been considered to go beyond the disclosure as filed (Rule 70.2(c)).					e, since they have				
		(Any replacement sh report.)	neet containing such amendmen	ts must be referred to under iten	n 1 and annexed to this				
6.	6. Additional observations, if necessary:								

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111.	Nor	n-establishment of opinion with regard to novelty, inventive step and inc	dustrial appli	cability	
1.	. The questions whether the claimed invention appears to be novel, to involve an inventive step (to be non-obvious), or to be industrially applicable have not been examined in respect of:				
		the entire international application,		i	
	\boxtimes	claims Nos. 20-27			
		because:			
the said international application, or the said claims Nos. 20-27 relate to the following subject matter does not require an international preliminary examination (specify):					nich
		see separate sheet	• .		
		the description, claims or drawings (indicate particular elements below) or sathat no meaningful opinion could be formed (specify):	aid claims No	s. are so uncl	ear
		the claims, or said claims Nos. are so inadequately supported by the descrip could be formed.	otion that no n	neaningful op	inion
		no international search report has been established for the said claims Nos.			
2.	A meaningful international preliminary examination cannot be carried out due to the failure of the nucleotide an or amino acid sequence listing to comply with the standard provided for in Annex C of the Administrative Instructions:				
		the written form has not been furnished or does not comply with the Standar	d.		
		the computer readable form has not been furnished or does not comply with	the Standard	i.	•
١V	. Lac	ck of unity of invention	o ·		
1.	In r	response to the invitation to restrict or pay additional fees, the applicant has:	: .	· .	
		restricted the claims.			
		paid additional fees.			
		paid additional fees under protest.	;		
	×	neither restricted nor paid additional fees.	•		
2.		This Authority found that the requirement of unity of invention is not complie Rule 68.1, not to invite the applicant to restrict or pay additional fees.	d with and ch	ose, accordin	g to
3.	This	is Authority considers that the requirement of unity of invention in accordance	with Rules 13	3.1, 13.2 and	13.3
		complied with.			

see separate sheet

 $oxed{\boxtimes}$ not complied with for the following reasons:

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4.	. Consequently, the following parts of the international application were the subject of international preliminary examination in establishing this report:					
		all parts.				
	×	the parts relating to claims No	s. 1-28	B(partially) an	nd 29 .	
۷.		asoned statement under Artic ations and explanations supp			rd to novelty, inventive step or industrial applicability; nent	
1.	Sta	tement		•		
	Nov	velty (N)	Yes: No:	Claims Claims	1-5, 7-13, 15-17, 19-29	
	Inve	entive step (IS)	Yes: No:	Claims Claims	1-29	
	Indi	ustrial applicability (IA)	Yes: No:	Claims Claims	1-19, 28, 29	
2	Cita	ations and explanations				

see separate sheet



Re Item III

Non-establishment of opinion with regard to novelty, inventive step and industrial applicability

The subject-matter of claims 20-27 is directed to a therapeutical method of treatment (Art. 34(4)(a)(I) and Rule 67.1 (iv) PCT).

For the assessment of the present claims 20-27 on the question whether they are industrially applicable, no unified criteria exist in the PCT Contracting States. The patentability can also be dependent upon the formulation of the claims. The EPO, for example, does not recognize as industrially applicable the subject-matter of claims to the use of a compound in medical treatment, but may allow, however, claims to a known compound for first use in medical treatment and the use of such a compound for the manufacture of a medicament for a new medical treatment.

Re Item IV

Lack of unity of invention

The International Search Authority has considered that there are three inventions covered by the claims indicated as follows:

1: Claims: 1-28 (partially) and 29

II: Claims: 1-4, 7-14, 16-18 and 20-28 III: Claims 2-4, 9-14, 17-18 and 20-28

It was considered that the three inventions are not linked such that they form a single general inventive concept, as required by Rules 13.1, 13.2 and 13.3 PCT.

Re Item V

Reasoned statement with regard to novelty, inventive step or industrial applicability; citations and explanations supporting such statement

Reference is made to the following documents:

D1: US-B-6 228 857

D2: US-A-6 159 971

D3: EP-A-1 327 440

D4: PATENT ABSTRACTS OF JAPAN

vol. 1998, no. 10 31 August 1998

& JP 10 114 655 A (KYOWA HAKKO KOGYO

CO LTD) 06 May 1998

EXAMINATION REPORT - SEPARATE SHEET

Noveltv:

Documents D1 and D2, each taken alone, are novelty destroying for the subject-matter of claims 1-5, 7-13, 15-17 and 19-29.

See in particular claims 1-19, column 3, I. 56-column 4, I. 29, column 4, I. 42-62, column 5 and 6 in D1. claims 1, 7, 17, column 4, I.24-column 5, I. 18, column 5, I. 36-61 in D2. Attention is drawn to the fact that when determining novelty, the terms "Disintegrant" and "Binder" are interchangeable, since both terms can mean the same compound, see e.g. the compounds in present claims 5 and 9 and pages 5-6.

Furthermore, documents D3 and D4, each taken alone, are novelty destroying for the subject-matter of claim 29.

See in particular claims 1-12 and p. 5, I. 15 in D3 and the abstract in D4.

Also, the documents cited on present p. 2 are novelty destroying for the subject-matter of claim 29.

Inventive Step:

According to present p. 1 and 2 the problem to be solved is to prepare a dosage form which disintegrants in small granules upon contact with water, thereby making the active compound readily available after administration without any agglomerates being formed of the active compound. This has been presently achieved by adding disintegrants to the active compounds in the dosage form (see e.g. I. 25-27 on present p. 11).

However, it is considered that this problem has already been solved in a similar manner by using disintegrants in the known cited prior art. See e.g. the disclosures in D1 or D2. Also, the prior art cited on present page 2 as well as documents D3 and D4 teach the use of disintegrants for the preparation of dosage forms.

Thus, the subject-matter of claims 1-29 does not involve an inventive step in the sense of Article 33(3) PCT, and therefore the criteria of Article 33(1) PCT are not met.

Further comments:

- -The features: " soluble filler" in claim 1, "low substituted hydropropyl cellulose" in claim 5, "a number of " in claim 7, " tmax" in claim 28 are not clear.
- -The last two paragraphs of claim 5, which are disclosed on p. 15, seem to be erroneously attached to claim 5.